

## METHOD AND SYSTEM FOR ENABLING CENTRALIZED CONTROL OF WIRELESS LOCAL AREA NETWORKS

### ABSTRACT OF THE DISCLOSURE

A wireless local area network (WLAN) includes mobile devices that are allowed  
5 to transfer wireless connections between WLAN subnets or channels having different  
access points. The access points connect to a central controller or roaming server that  
supports seamless hand-offs of mobile devices from one access point to another access  
point. The roaming server supports the reassignment of session data parameters from  
one access point to another (e.g., access point address spoofing) so that the mobile  
10 device can use the same parameters for communicating to a new access point. The  
roaming server also supports the seamless handoff of a mobile device from one access  
point to another by using a master-slave switch technique across two piconets. The  
roaming server also facilitates the control of access points by establishing a host  
controller interface and wireless protocol stack in the roaming server and another,  
15 complementary wireless protocol stack in the access point. The roaming server then  
encapsulates host controller commands in a packet based network protocol used for  
communication between the roaming server and the access points.